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Amendment to the Claims:

1. (Currently Amended) A method of determining the position of a patient ~~an object~~ in an image, the patient being located on an examination table in an imaging region, the method comprising:
 - providing a pattern of marking elements that are not visibly evident
5 individually in the image;
 - attaching the pattern of marking elements to at least one of the patient object that is being imaged and the examination table; and
 - obtaining the image.
2. (Previously Presented) A method as claimed in claim 1, wherein the position of the marking elements in the image is determined by a correlation of the image with at least one filter image of the pattern of the marking elements.
3. (Previously Presented) A method as claimed in claim 2, wherein the filter image of the pattern is transformed relative to the actual pattern of the marking elements.
4. (Previously Presented) A method as claimed in claim 1, wherein the image is generated by means of radioscopy, and the marking elements exhibit a low absorption of the X-rays, the effect of which lies within the noise level of the X-ray image.
5. (Previously Presented) A method as claimed in claim 1, wherein the position of at least one further object is determined in the image, wherein a second pattern of marking elements, which do not show up individually in the image, is attached to the further object, and wherein the second pattern is different from the first
5 pattern.
- 6-8. (Cancelled)

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9. (Currently Amended) An X-ray system, comprising
an X-ray source generating X-rays along a ray path;
an X-ray detector, which is disposed in the ray path of the X-ray source;
at least one marking device for attachment to at least one of a patient
5 located in an imaging region between the X-ray source and the X-ray detector and an
examination table on which the patient is supported in the imaging region an object in
order to determine the position of the patient object in an X-ray image, wherein the
marking device comprises marking elements, which are not visibly evident
individually in the X-ray image; and
10 a data processing unit for calculation of the position of the marking
elements of the marking device in an image generated with the x-ray system.

10. (Currently Amended) An X-ray system ~~as claimed in claim 9,~~
~~wherein it is set up to implement a method as claimed in claim 1.~~

11. (Previously Presented) The X-ray system as claimed in claim 9,
wherein said marking elements are arranged in a pattern.

12. (Previously Presented) The X-ray system as claimed in claim 11,
wherein said pattern is a two dimensional, cyclical binary maximum length sequence.

13. (Previously Presented) The X-ray system as claimed in claim 9,
wherein said marking elements are applied to a transparent carrier.

14. (Currently Amended) A method as claimed in claim 1, wherein
the image is an X-ray image, and wherein the pattern of marking elements is remote
from an X-ray detector and an X-ray source.

15. (Previously Presented) An X-ray system as claimed in claim 9,
wherein the marking device is remote from the X-ray detector and the X-ray source.

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16. (Currently Amended) The X-ray system as claimed in ~~of~~ claim 15, further comprising another marking device remote from the X-ray detector, the X-ray source and the marking device, wherein the another marking device comprises other marking elements that are not visibly evident individually in the X-ray image, and
5 wherein the another marking device is attached to ~~[[a]] the patient adjacent to the~~ object.

17. (Currently Amended) A method as claimed in claim 1, wherein the pattern of marking elements are not visibly evident individually in the image without and further including:
performing an image processing step to reveal ~~remove~~ the pattern from
5 the image.

18. (Currently Amended) A method as claimed in claim 1, further comprising the pattern of marking elements with a combination ~~at least one~~ of a size, a shape, and a material that renders the marking elements not visibly evident individually in the image.

19. (Currently Amended) An X-ray system as claimed in claim 9, wherein the marking elements are not visibly evident individually in the image, without the data processing unit performing an image processing step to reveal ~~remove~~ the pattern from the image.

20. (Currently Amended) An X-ray system as claimed in claim 9, wherein the marking elements have a combination ~~at least one~~ of a size, a shape, and a material that renders the marking elements not visibly evident individually in the X-ray image.